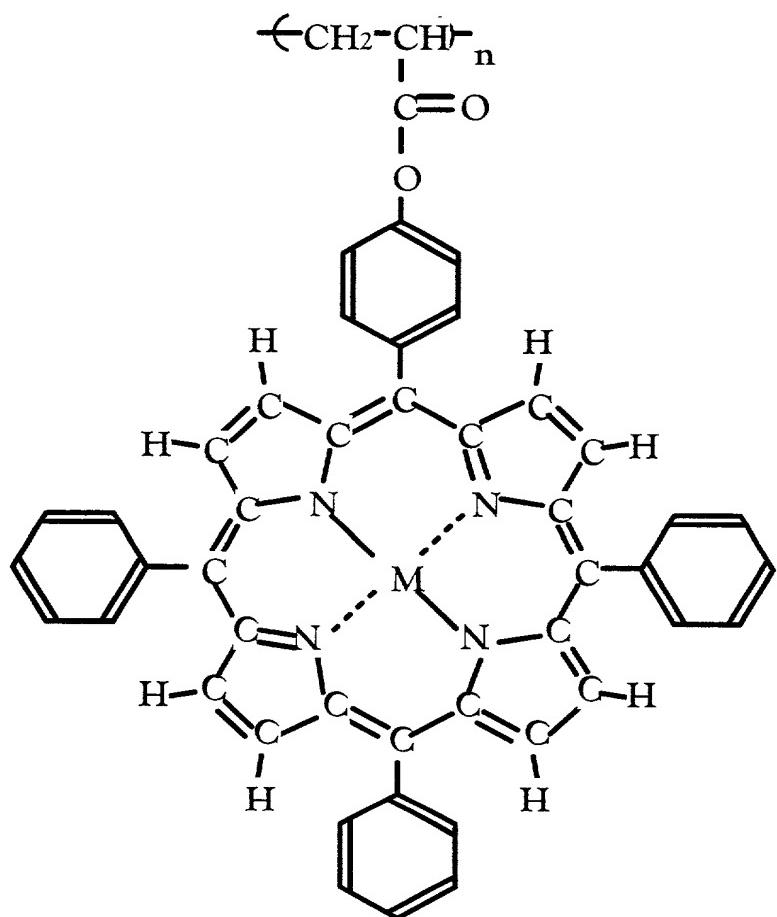


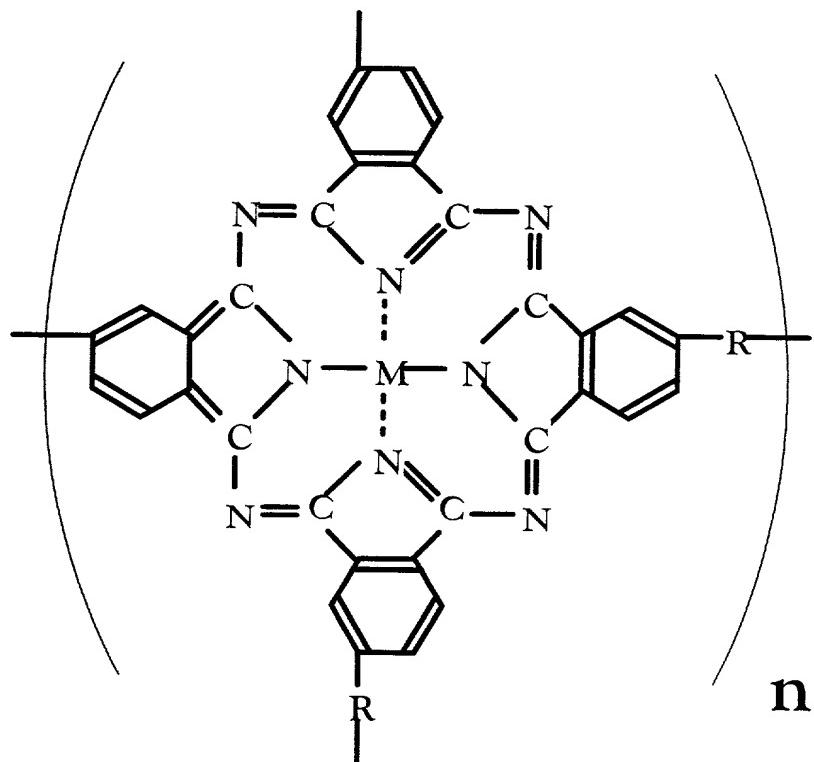
WHAT IS CLAIMED IS:

1. A light emitting device comprising:
at least an organic EL element;
a thin film comprising a polymer material in the organic EL element,
wherein the polymer material is expressed by



wherein M indicates a bivalent transition series element,
wherein n denotes a polymerization degree (n = an integer
of 2 or larger).

2. A light emitting device comprising:
at least an organic EL element;
a thin film comprising a polymer material in the organic EL element,
wherein the polymer material is expressed by



wherein R indicates one selected from the group consisting of
a substituent containing a carbonyl group, a substituent containing
a benzene ring, and an unsaturated-chain-type substituent containing
olefin double bond,

wherein M indicates a bivalent transition series element,
wherein n denotes a polymerization degree (n = an integer
of 2 or larger).

3. A light emitting device comprising:
 - at least an organic EL element;
 - a thin film comprising a hole transporting layer and a light emitting layer in the organic EL element;
 - 5 wherein the hole transporting layer comprising a polymer material,
 - wherein the hole transporting layer is added with molecules comprising bromine or iodine, or with a compound comprising transition metal.
4. A light emitting device comprising:
 - at least an organic EL element;
 - 10 a thin film comprising a electron transporting layer and a light emitting layer in the organic EL element;
 - wherein the electron transporting layer is added with one selected from the group consisting of alkali metal, alkaline earth metal and transition metal.
5. A light emitting device comprising:
 - 15 at least an organic EL element;
 - a thin film comprising a hole transporting layer, an electron transporting layer, and a light emitting layer between the hole transporting layer and the electron transporting layer in the EL element;
 - wherein the hole transporting layer comprising a polymer material,
 - 20 and
 - wherein the hole transporting layer is added with molecules comprising bromine or iodine, or with a compound comprising transition metal, or

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wherein the electron transporting layer is added with one selected from the group consisting of alkali metal, alkaline earth metal and transition metal.

6. A light emitting device comprising:

5 at least an organic EL element;
a thin film comprising an electron transporting layer in the organic EL element;

wherein the electron transporting layer comprising a polymer material,
wherein the electron transporting layer is ion implanted.

7. A light emitting device comprising:

10 at least an organic EL element;
a thin film comprising a hole transporting layer in the organic EL element;
wherein the hole transporting layer comprising a polymer material,
wherein the hole transporting layer is ion implanted.

15 8. An electronic apparatus in combination with the light emitting device of claim 1.

9. An electronic apparatus in combination with the light emitting device of claim 2.

10. An electronic apparatus in combination with the light emitting device of
20 claim 3.

11. An electronic apparatus in combination with the light emitting device of
claim 4.

12. An electronic apparatus in combination with the light emitting device of
claim 5.

5 13. An electronic apparatus in combination with the light emitting device of
claim 6.

14. An electronic apparatus in combination with the light emitting device of
claim 7.